

KOMPUTIKA

NEWSLETTER

November 2024
Issue

Robots & Cultures Unite: Telkom -UM Short-Term Program 2024

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TAG

[Robot] [Culture]
[Mobility] [Outbound]

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Telkom University X Universiti Malaya Malaysia 2024

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Short-Term Outbound Mobility Programme

– By Assoc. Prof. Dr. Suraya Hamid, Lee Xiang Wen

Telkom -UM 2024: Bridging Borders with Tech and Tradition

Overview Telkom University and Universiti Malaya unite for a five-days cultural and academic immersion, from 4-8 August 2024 in Bandung, Indonesia. This collaboration fosters cross-cultural learning through robotics, industry insights, and cultural exploration.

Kick-Off Ceremony: A Cultural Welcome

The event began with a warm welcome from **Dr. Lia Yuldinawati** and a vibrant performance of the **Bajidor Kahot**, a Sundanese dance celebrating Indonesian heritage. Speeches by leaders from both universities underscored the importance of this international partnership.



Welcoming session of the Outbound Mobility Programme

RoboLearn: Hands-On with Arduino

In these robotics' sessions, students had a chance to explore the use of Arduino. Arduino is an open-source project that provides microcontroller-based kits for building digital devices and interactive objects capable of sensing and controlling physical devices. The project was designed to offer an affordable and accessible platform for both beginners and professionals to create devices that interact with their environment using sensors and actuators. Examples of such devices include simple robots, thermostats, and motion detectors.



RoboRace Challenge

RoboRace Challenge: The Ultimate Test of Skill

Teams programmed robotic cars to navigate a black-and-white track, adjusting variables like **speed** and **sensors** for optimal performance. The final showdown saw **Team WHEEL-Y** emerge victorious, thrilling participants and spectators alike.

The robot competition was an exhilarating and educational experience, providing participants with the opportunity to apply their programming, problem-solving, and teamwork skills in a dynamic and competitive environment. The adrenaline rush as robots raced against each other added to the excitement, making it an unforgettable event for all involved.



RoboRace Winners and Participants

Closing Ceremony: Farewells, Friendships, and Future Hopes

The closing ceremony celebrated the bonds forged throughout the program. Student representatives **Afiq Zakwan** and **Monica** from Universiti Malaya, alongside **Abdurrazak** and **Angelica** from Telkom University, shared reflections on their experiences and the friendships built. **Assoc. Prof. Dr. Suraya** expressed her heartfelt gratitude for Telkom University's warm hospitality, envisioning the continuation of this exchange program well into the future.

A special moment was dedicated to the **Telkom University buddies**, whose support, guidance, and enthusiasm helped make each activity meaningful and enjoyable. These buddies played a crucial role, from navigating the campus to sharing insights about Indonesian culture, making international students feel truly at home. Tokens of appreciation were awarded to the buddies, lab assistants, and lecturers for their invaluable contributions.

The ceremony concluded with prize presentations for the robotics competition winners, certificates for all participants, and a final group photo to capture the memories of this unforgettable journey.



Farewell Session

Kawah Putih: Nature's Mystical Wonder

Located in the Ciwidey highlands, **Kawah Putih** is a volcanic crater lake known for its surreal, **milk y turquoise waters**, created by high sulfur content from volcanic activity. The lake's colors and misty surroundings create a dreamlike atmosphere, making it a must-visit for those seeking breathtaking views and natural beauty.



Group Photo in Kawah Putih

Glamping Lakeside Rancabali: Luxury Meets Nature

Nestled near Patenggang Lake, Glamping Lakeside Rancabali combines outdoor charm with modern luxury. Following our Kawah Putih visit, we arrived at this serene retreat to experience Golesat and the skyline luge, adding an adventurous touch to the day as we glided through the scenic landscapes. This unique experience offered relaxation, thrill, and an unforgettable connection with nature.



Lakeside Rancabali excitement

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